

Procedure for Unlocking the Yellow or Blue Main Quad Power Supplies

1. First unlock all of the IR p.s. disconnects you locked out in the building you are working in and turn them on.
2. Next turn on the front panel circuit breakers and put all of the IR p.s.'s in the REMOTE – STANDBY state that you locked out.
3. Go to 1004b and unlock the Yellow Quad Ramp and Yellow Quad Flattop p.s.'s if you locked those out. Unlock the Blue Quad Ramp and Blue Quad Flattop p.s.'s if you locked those out. After unlocking these p.s.'s turn the RED and YELLOW switches to the UP position.
4. Next you will need to restore the Main P.S. you unlocked to an operating state.
5. Now you must work on an X-terminal in the control room of 1004B which is towards the front of the building. Go there now.
6. Log in to one of the X terminals and bring up the Pet Tree by type “Pet” in the X Terminal window.
7. Go to the Pet Tree and click on the following: FECs->Magnets->cfe-4b-ps3->MainMagControl.
(continued on next page)

8. This will bring up the Main Magnet Control Page which looks like this in Figure 1:

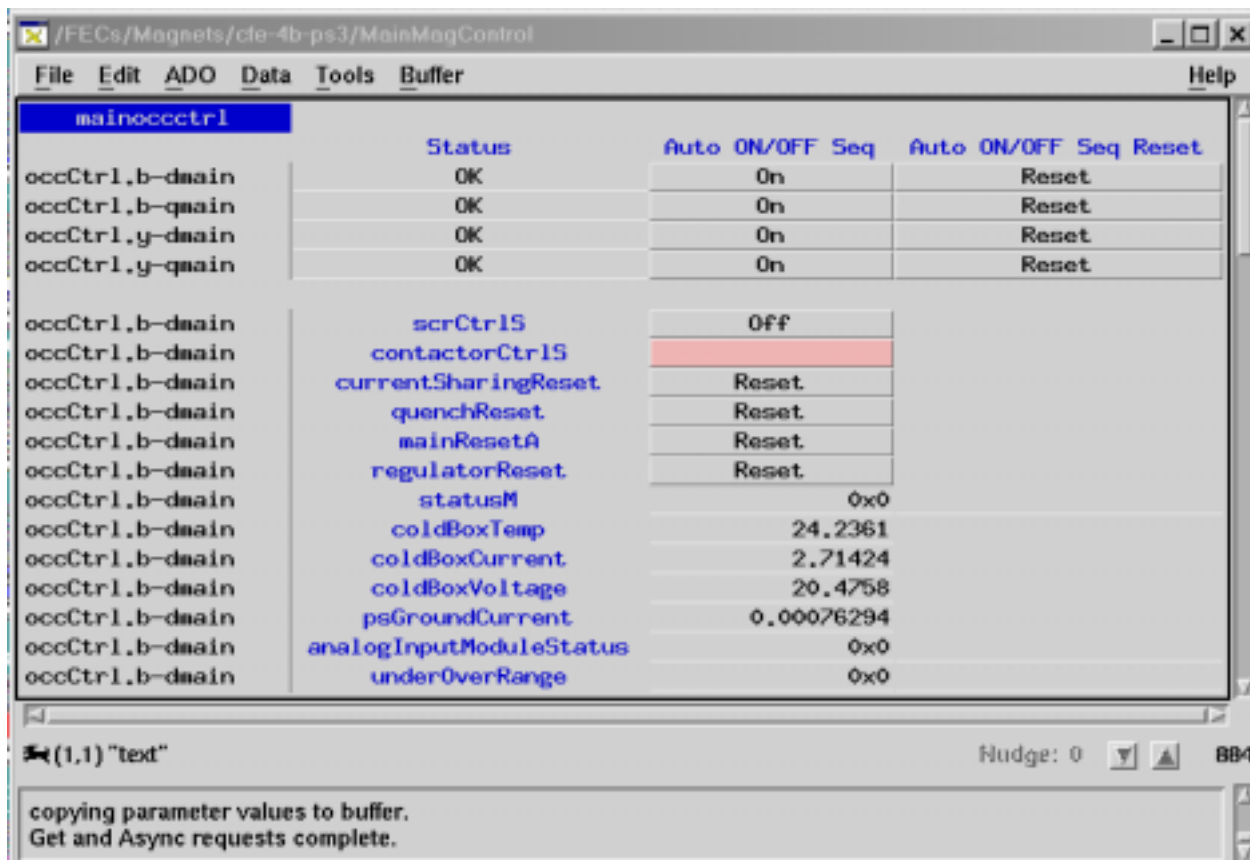


Figure 1

9. In Figure 1 (above) under the blue box, at the left top, that says "mainocctrl" you will see it says:

occCtrl.b-dmain
occCtrl.b-qmain
occCtrl.y-dmain
occCtrl.y-qmain

10. **If you are restoring the yellow quad main** then find the line that says "occCtrl y-qmain". Now follow that line all the way to the right until you see the word "Reset" in a grey box. Click on this "Reset" with the left mouse button. The box should turn RED. Then hit enter. The words should turn back to black. You have just sent a RESET command to the yellow quad main p.s. Now go onto step 12. If you are restoring the blue quad main then go onto step 11.

11. **If you are restoring the blue quad main** then find the line that says "occCtrl b-qmain". Now follow that line all the way to the right until you see the word "Reset" in a grey box. Click on this "Reset" with the left mouse button. The box should turn RED. Then hit enter. The words should turn back to black. You have just sent a RESET command to the blue quad main p.s. Now go onto step 12.

12. Figure 2 shows you the computers in the control room. You will be working with the computer furthest to the right against the wall.



Figure 2

8. In Figure 3 you see a close up of two computers in the 1004B control room. The one to the left (says Dan-Otool on it) is called the PLC computer. The one to the right is the Regulator Computer.



Figure 3

9. Go to the computer on the right in Figure 3. This is the regulator computer. Select the p.s. you are interested in by pushing the **Left** Ctrl button momentarily, letting it go, and then pressing the hyphen button momentarily and letting it go. The hyphen is on top of the letter P button. Keep on pressing these buttons, like this, until you come to the p.s. you are interested in working on.

10. Once you have the p.s. name up on the screen you are working on press Ctrl-C. Now at the prompt type "crun" without the quotes and press ENTER.

11. You should see a countdown from 10 to 1 and then a bunch of words that scroll down.

12. At the end of the bunch of words that scroll down you should see the words:

THE REG CONTROL NUMBER = 0

13. If you see this you are done. If you do not see these words at the end then try to go through this procedure for Restoring the P.S.'s one more time from step 1. If you still do not see THE REG CONTROL NUMBER = 0 you can call the following people for assistance:

Carl Schultheiss x2504 beep 5315
Fred Orsatti x5741 beep 7164
Rich Conte x5741 beep 4406
Joe Drozd x5741 beep 4407
Tom Nolan x5741 beep 7126
Don Bruno x5533 beep 4135